

Title: AN INVENTORY MANAGEMENT SYSTEM FOR DETERMINING SUGGESTED PART STOCKING LEVELS FOR A VEHICLE DEALER

Inventor: Ed Williams et al.

Attorney: Timothy D. MacIntyre – Harness, Dickey & Pierce PLC

Atty. Ref.: P705880 (0364T-001455)

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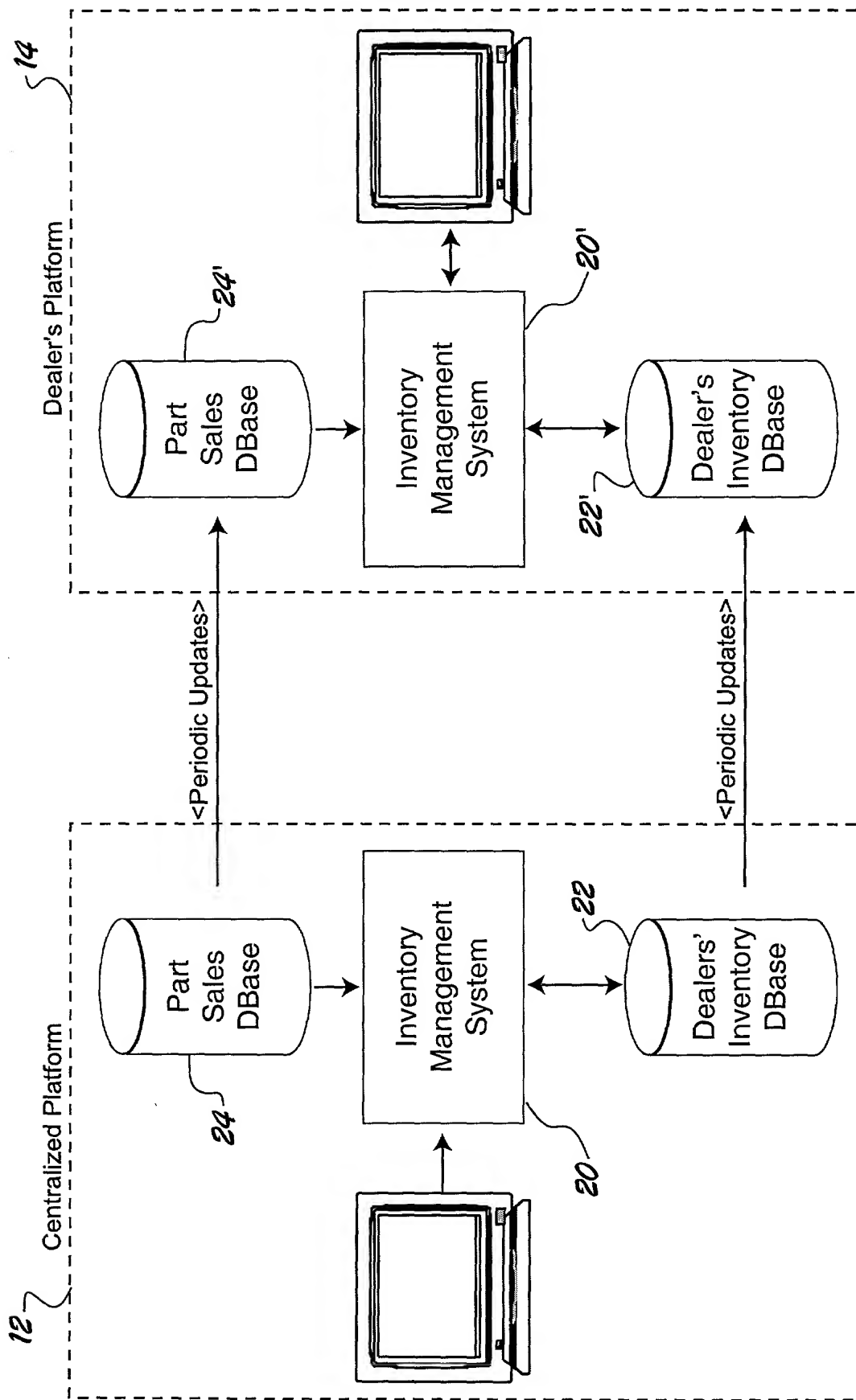


FIG. 1

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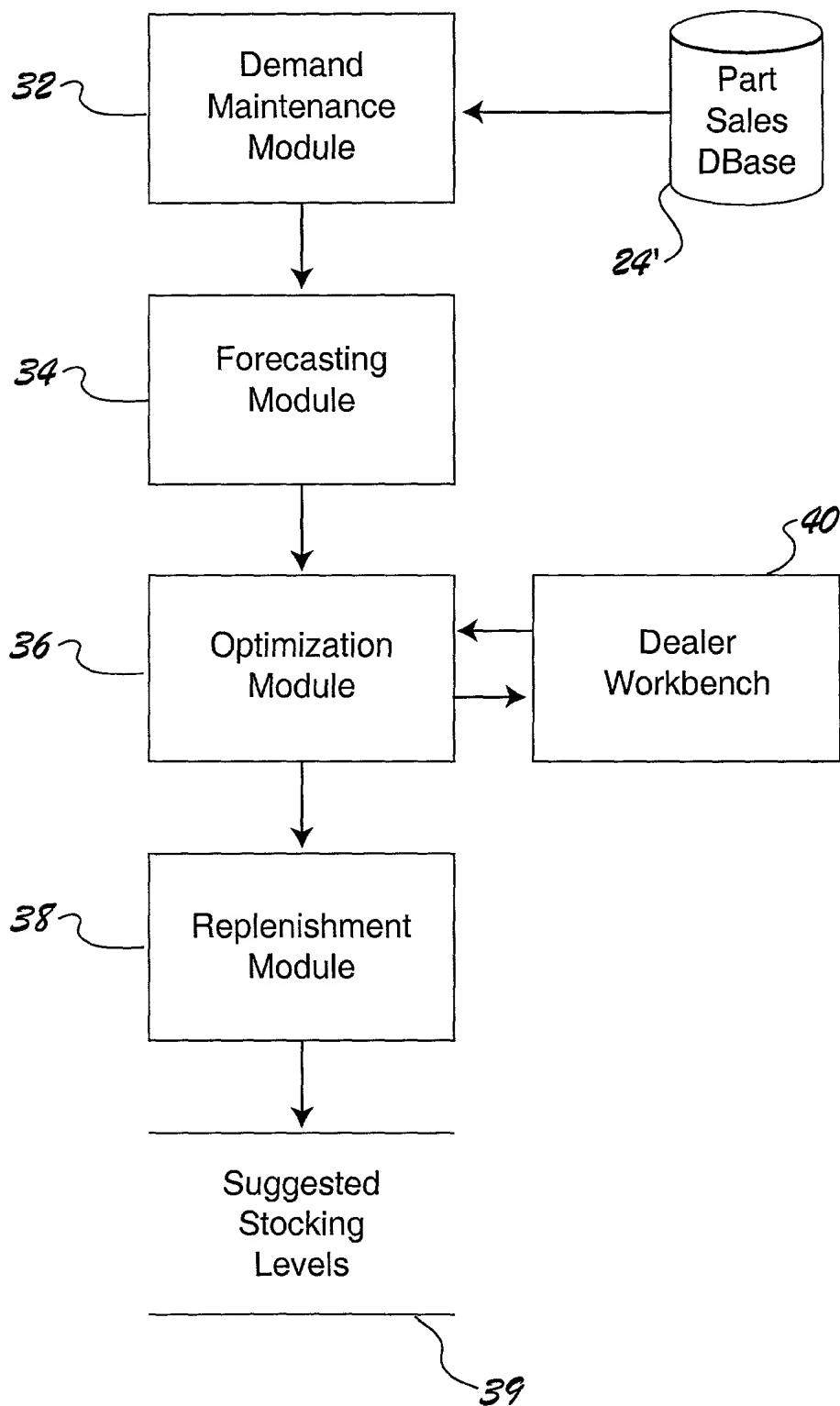


FIG. 2

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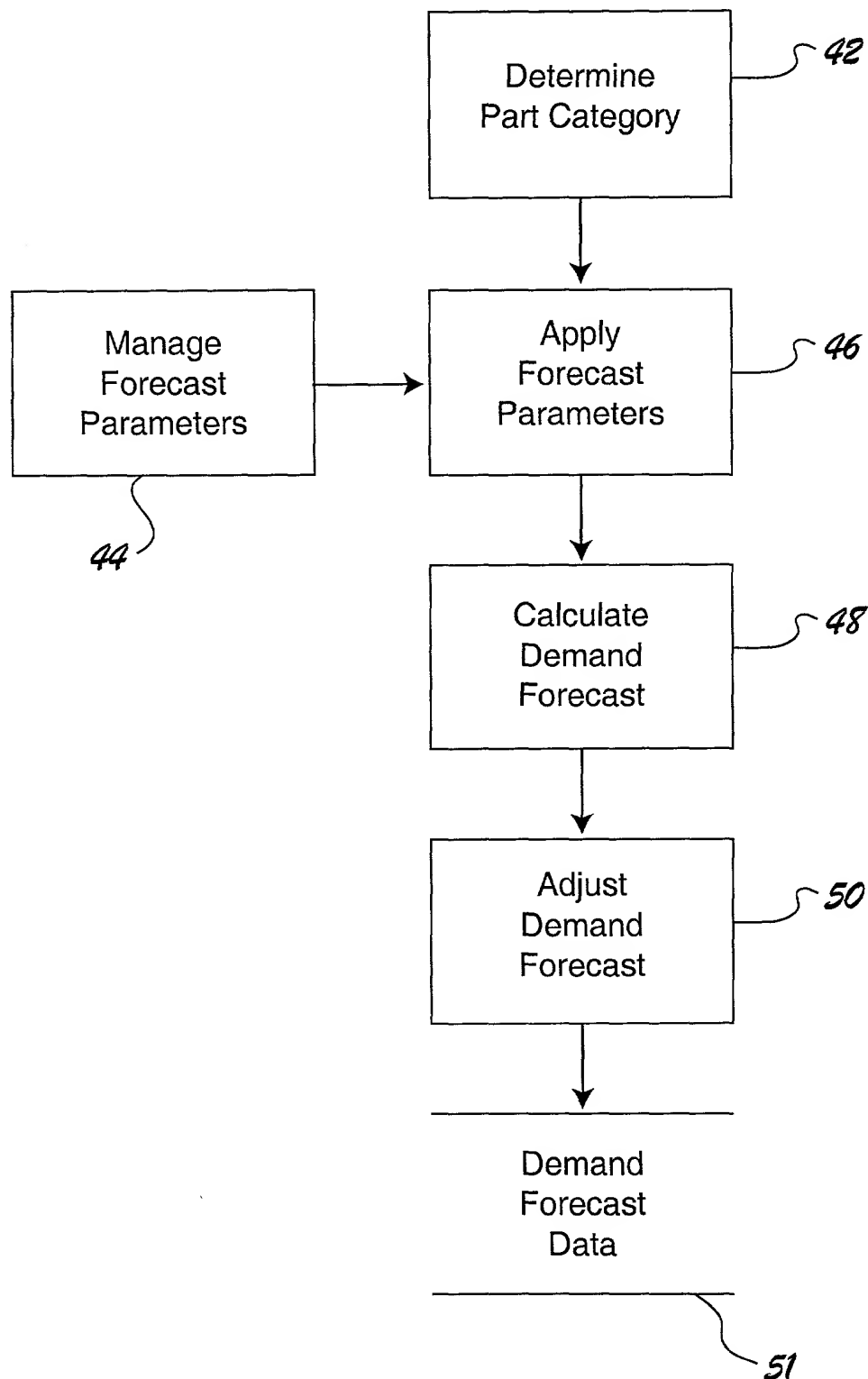


FIG. 3

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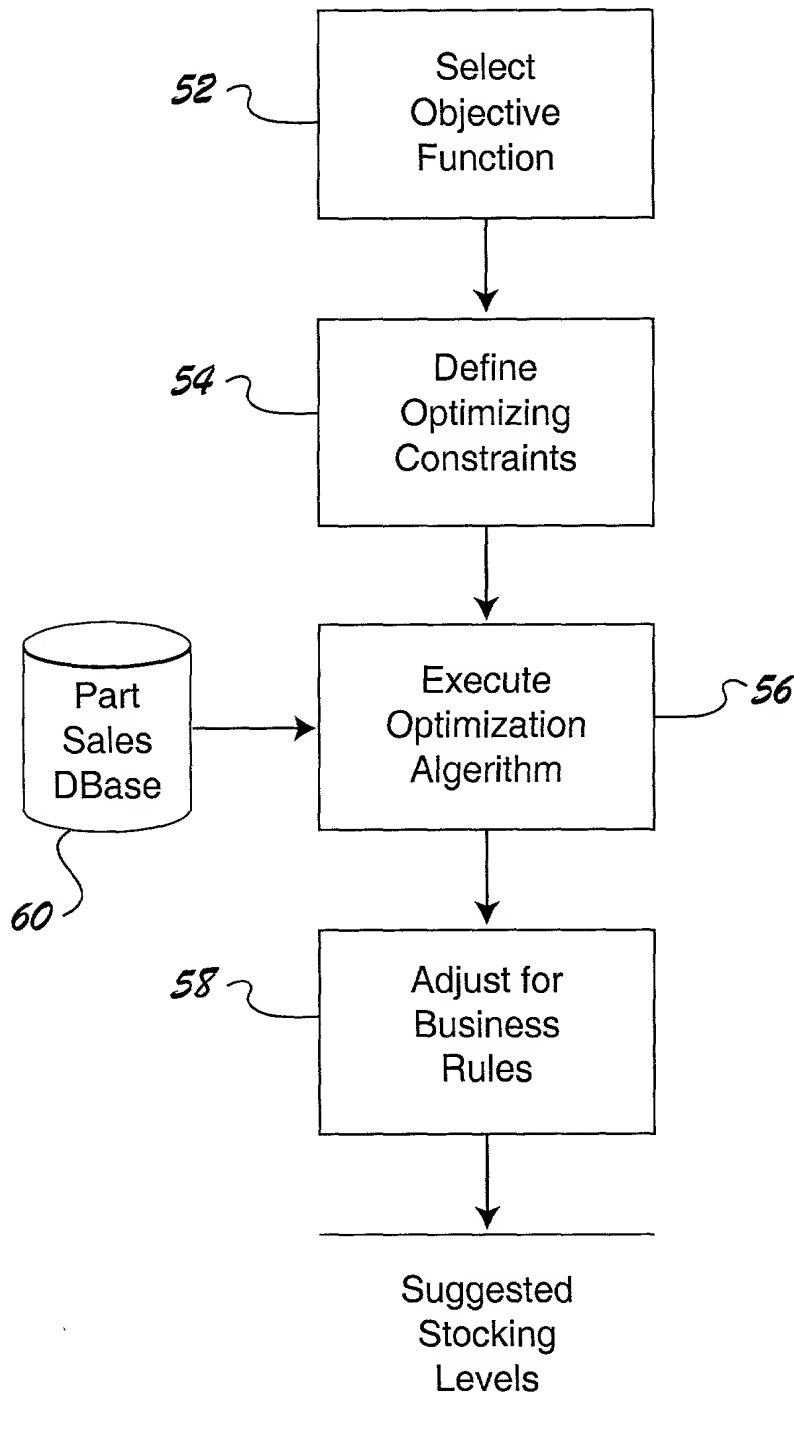


FIG. 4

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Objective Function Set-Up Screen

| | | |
|--------------|----------------------------------|------------|
| PGM: DIOS01 | 5300 SUGGESTED STOCK ORDER | 03/13/2000 |
| SCR: DIOS01 | OBJECTIVE FUNCTION SET UP SCREEN | 11:06:02 |
| DEALER 38713 | INVENTORY DLR TEST | VERSION : |

THESE VALUES ARE USED TO SET THE OPTIMUM STOCK LEVELS FED TO THE STOCK ORDER PROCESS - THIS INFORMATION WILL BE USED EACH WEEK UNTIL CHANGED BY THE USER

| OBJECTIVE | TARGET VALUE |
|-------------------|------------------------------------------|
| INVESTMENT TARGET | (MAXIMIZE FILL RATE FOR THIS INVESTMENT) |
| FILL RATE TARGET | (MINIMIZE INVESTMENT FOR THIS FILL RATE) |

| | | |
|------------------------|-------------|-------------------------------|
| OBJECTIVE FOR NEXT RUN | MININVEST | RESULTS OF LAST RUN |
| OBJECTIVE | 85.0 | EXPECTED INVENTORY : \$45,052 |
| TARGET VALUE | % | EXPECTED FILL-RATE : 85.0 % |
| LAST UPDATE DATE | Mar 10 2000 | |

F1-HELPF2=SAVEF3=SUBMENUF4-CANCEL

F10=EXIT

5300

FIG. 5A

Dealer Optimization Summary

| | | |
|---------------|------------------------------------|------------------|
| JOB: 12345 | MOPAR 5300 | DATE: 2000/03/27 |
| PGM: D100400R | DEALER OPTIMIZATION SUMMARY REPORT | TIME: 10:44:36 |
| RPT: S53DSUM | WEEK OF 03/12/2000 | PAGE: 001 OF 001 |
| FORM: | | |

DEALER: XXXXX TEST DEALER INC

CURRENT INVENTORY INVESTMENT \$ 211824

CURRENT NUMBER OF PARTS 3555

| | MOPAR DEFAULT | DLR TARGET | STOCK ORDER DLR TARGET W/ MIN/MAX | DLR TARGET W/ CURR INV |
|-------------------------------------------|------------------|------------|-----------------------------------------|---------------------------|
| PRODUCTION SCENARIO | 66 | | 70 | 72 |
| OBJECTIVE | MININVEST | | | |
| TARGET VALUE | 85.0 % | | | |
| OVERALL EXPECTED FILL-RATE | 85.01 | 90.01 | 90.01 | 90.01 |
| EXPECTED INVENTORY INVESTMENT | \$ 132756 | \$ 155097 | \$ 167645 | \$ 185645 |
| EXPECTED NUMBER OF PARTS | 1585 | 1797 | 1967 | 2297 |
| EXCLUDED PROMOTIONAL INVENTORY INVESTMENT | | | | \$ 8345 |

5300

FIG. 5B

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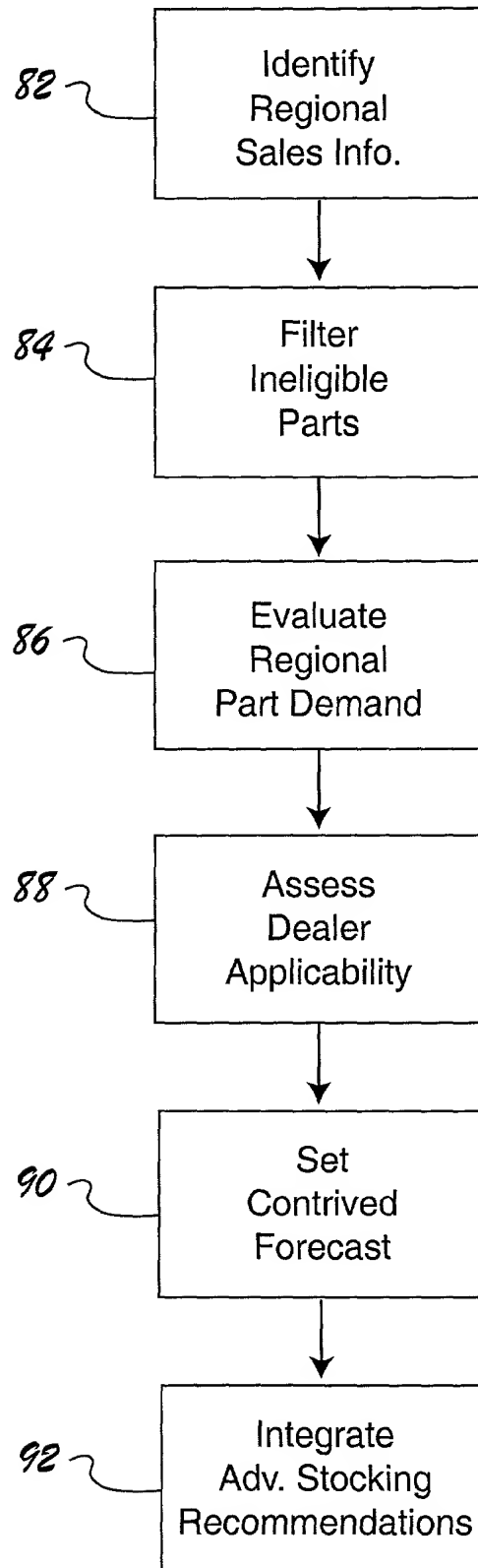


FIG. 6

09886796-062404
TOTAL 9629860